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AMENDMENTS TO THE CLAIMS

(Currently amended) A compound or salt thereof having any one of the following 1. formulas:

$$R_1$$
 HN
 R_2
 R_1
 R_1
 R_2
 R_1
 R_2
 R_1
 R_2
 R_1
 R_2
 R_1
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_4
 R_5
 R_7
 R_8
 R_9
 R_9

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| R Genus V; Genus VI; M Genus VII; М Genus VIII;

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C_1 - C_5 alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C_1 - C_5 alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

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wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

- 2. (Currently amended) The compound <u>or salt thereof</u> of Claim 1, wherein said polycyclic aliphatic group is selected from the group consisting of adamantyl, bicycloheptyl, camphoryl, bicyclo[2,2,2]octanyl and norbornyl.
- 3. (Currently amended) The compound <u>or salt thereof</u> of Claim 1, wherein said heteroaryl and said substituted heteroaryl is selected from the group consisting of pyridines, thiazoles, isothiazoles, oxazoles, pyrimidines, pyrazines, furans, thiophenes, isoxazoles, pyrroles, pyridazines, 1,2,3-triazines, 1,2,4-triazines, 1,3,5-triazines, pyrazoles, imidazoles, indoles, quinolines, iso-quinolines, benzothiophines, benzofurans, parathiazines, pyrans, chromenes, pyrrolidines, pyrazolidines, imidazolidines, morpholines, thiomorpholines, and the corresponding heterocyclics.
 - 4. (Cancelled)

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5. (Currently amended) The compound or salt thereof of Claim 1, wherein R_1 and R_2 are independently selected from the following:

- 6. (Currently amended) The compound <u>or salt thereof</u> of Claim 1 selected from the group consisting of compounds S1-S123, T1-T102, U1-U18, <u>and-V1-V28 and salts thereof</u>.
- 7. (Currently amended) A compound <u>or salt thereof eomprising represented by any</u> one of the following formulas:

$$R_1$$
 HN
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_4
 R_4
 R_4
 R_5
 R_6
 R_6
 R_6
 R_6
 R_6
 R_6
 R_7
 R_8
 R_8
 R_8
 R_8
 R_8
 R_8
 R_9
 R_9

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wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

- 8. (Currently amended) The compound <u>or salt thereof</u> of Claim 7 selected from the group consisting of compounds S-6, S-96, <u>and-S-97</u> and salts thereof.
- 9. (Currently amended) A compound <u>or salt thereof comprising represented by any</u> one of the following formulas:

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wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

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10. (Currently amended) The compound <u>or salt thereof</u> of Claim 9 selected from the group consisting of compounds T-3, T-83, and T-102 and salts thereof.

11. (Currently amended) A compound or salt thereof comprising represented by any one of the following formulas:

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said

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heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

- 12. (Currently amended) The compound <u>or salt thereof</u> of Claim 11 selected from the group consisting of compounds T-88, T-89, T-90, T-91, T-94, <u>and T-96 and salts thereof</u>.
- 13. (Withdrawn) A method for treating or preventing an allergic reaction and/or for inhibiting cytokines or leukocytes in a mammal comprising administering an effective amount of at least one of the following compounds:

$$R_1$$
 R_1
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_4
 R_5
 R_4
 R_5
 R_6
 R_7
 R_8
 R_9
 R_9

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 R_1 R_2 R_1 R_2 R_2 R_3 R_4 R_4 R_5 R_4 R_5 R_6 R_7 R_8 R_8 R_9 R_9

$$R_1$$
— N
 R_1
 R_1
 R_1
 R_2
 R_3
 R_4
 R_4
 R_4
 R_5
 R_7
 R_7

$$\begin{array}{c|c} & & & & \\ & & & \\ R_1 & & & \\ & & \\ & & & \\ & & \\ & & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & &$$

$$R_1$$
 HN
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_4
 R_5
 R_4
 R_5
 R_6
 R_7
 R_8
 R_8
 R_9
 R_9
 R_9
 R_9
 R_9

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$$R_1$$
— N
 R_2
 R_1
 R_2
 R_1
 R_2
 R_1
 R_2
 R_2
 R_3
 R_4
 R_4
 R_4
 R_4
 R_5
 R_4
 R_5
 R_6
 R_7
 R_8
 R_8
 R_9
 R_9

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

14. (Withdrawn) The method of Claim 13 further comprising administering at least one additional ingredient which is active in reducing at least one symptom associated with said allergic reaction.

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15. (Withdrawn) The method of Claim 14, wherein said at least one additional ingredient is selected from the group consisting of a short-acting β_2 -adrenergic agonist, a long-acting β_2 -adrenergic agonist, an antihistamine, a phosphodiesterase inhibitor, an anticholinergic agent, a corticosteroid, an inflammatory mediator release inhibitor and a leukotriene receptor antagonist.

- 16. (Withdrawn) The method of Claim 14, wherein said at least one additional ingredient is combined with said compound in a pharmaceutically acceptable diluent and coadministered to the mammal.
- 17. (Withdrawn) The method of Claim 13, wherein said compound is administered at a dose of about 0.01 mg to about 100 mg per kg body weight per day.
- 18. (Withdrawn) The method of Claim 17, wherein said dose is administered in divided doses at regular periodic intervals.
- 19. (Withdrawn) The method of Claim 18, wherein said regular periodic intervals occur daily.
- 20. (Withdrawn) A method for treating or preventing asthma in a mammal comprising administering an IgE-suppressing amount of at least one of the following compounds:

$$R_1$$
 R_2
 R_1
 R_2
 R_1
 R_2
 R_2
 R_3
 R_4
 R_2
 R_4
 R_2
 R_4
 R_4
 R_5
 R_6
 R_7
 R_8
 R_8
 R_9
 R_9
 R_9
 R_9
 R_9
 R_9
 R_9

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$$\begin{array}{c|c} & & & \\ & & & \\ R_1 - N \\ & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & &$$

$$R_1$$
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_6
 R_7
 R_7
 R_8
 R_9
 R_9

$$R_1$$
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_7
 R_7

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$$R_1$$
 R_2
 R_1
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_4
 R_4
 R_5
 R_6
 R_7
 R_8
 R_8
 R_9
 R_9

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said

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heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

- 21. (Withdrawn) The method of Claim 20 further comprising administering at least one additional ingredient which is active in reducing at least one symptom associated with said asthma.
- 22. (Withdrawn) The method of Claim 21, wherein said additional ingredient is selected from the group consisting of a short-acting β_2 -adrenergic agonist, a long-acting β_2 -adrenergic agonist, an antihistamine, a phosphodiesterase inhibitor, an anticholinergic agent, a corticosteroid, an inflammatory mediator release inhibitor and a leukotriene receptor antagonist.
- 23. (Withdrawn) A method for inhibiting cellular proliferation in a mammal comprising administering an amount of at least one of the following compounds:

$$R_1$$
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_4
 R_5
 R_4
 R_5
 R_6
 R_7
 R_8
 R_9
 R_9

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$$R_1$$
 R_2
 R_1
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_4
 R_4
 R_5
 R_6
 R_7
 R_8
 R_9
 R_9

$$R_1$$
 HN
 R_2
 R_1
 HN
 R_2
 R_1
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_4
 R_5
 R_4
 R_5
 R_6
 R_7
 R_8
 R_8
 R_9
 R_9

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$$R_1$$
— N
 R_2
 R_1
 R_2

Genus VIII;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

24. (Withdrawn) The method of Claim 23 further comprising administering at least one additional ingredient which is active in reducing at least one symptom associated with said cellular proliferation.

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25. (Withdrawn) The method of Claim 24, wherein said at least one additional ingredient is selected from the group consisting of antifungals, antivirals, antibiotics, antiinflammatories, and anticancer agents.

- (Withdrawn) The method of Claim 24, wherein said at least one additional 26. ingredient is selected from the group consisting of alkylating agent, antimetabolite, DNA cutter, topoisomerase I poison, topoisomerase II poison, DNA binder, and spindle poison.
- 27. (Withdrawn) The method of Claim 24, wherein said at least one additional ingredient is combined with said compound in a pharmaceutically acceptable diluent and coadministered to the mammal.
- (Withdrawn) The method of Claim 23, wherein said compound is administered 28. at a dose of about 0.01 mg to about 100 mg per kg body weight per day.
- (Withdrawn) The method of Claim 28, wherein said dose is administered in 29. divided doses at regular periodic intervals.
- (Withdrawn) The method of Claim 29, wherein said regular periodic intervals 30. occur daily.
- (Withdrawn) The method of Claim 23 further comprising administering at least 31. one other therapy which is effective in ameliorating at least one symptom associated with cellular hyperproliferation.
- (Withdrawn) The method of Claim 31, wherein said therapy is an anti-cancer 32. therapy.
- (Withdrawn) The method of Claim 31, wherein said therapy is selected from the 33. group consisting of radiation, immunotherapy, gene therapy, and surgery.
- (Currently amended) A method of preparing a compound or salt thereof having 34. the formula of Genus I as defined in Claim 1 comprising:

$$\begin{array}{c|c} R_1 & & H \\ \hline \\ R & & M \end{array} \begin{array}{c} R_2 \\ \hline \\ Genus \ I; \end{array}$$

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wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONH₂ and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅-alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅-alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ eyeloalkyl, substituted C₃-C₉ eyeloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉-cycloalkyl, substituted C₃-C₉-cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said method comprises steps:

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compound with a having formula:

, thereby forming a compound with a

$$\mathsf{Br} \overset{\text{II}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}{\overset{\mathsf{V}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}{\overset{\mathsf{V}}}}{\overset{\mathsf{V}}}{\overset{\mathsf{$$

first intermediate having formula:

performing a reductive amination to the compound with a formula:

said first intermediate, thereby forming a compound with

asecond intermediate having formula:

reacting an acyl chloride with the compound with a formula:

said second intermediate, thereby forming a compound with

$$R_1 \xrightarrow{O} N_{\frac{1}{2}} \xrightarrow{N} N_{\frac{1}{2}} N_{\frac{1}{2}} \xrightarrow{NO_2}$$

a-third intermediate having formula:

reducing the compound with a formula:

said third

intermediate, thereby forming a compound with a fourth intermediate having formula:

$$R_1$$
 N_1 N_2 N_1 N_2 N_2 N_3 N_4 N_4 N_4 N_4 N_4 N_4 N_4 N_4 N_4

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reacting an acyl chloride with the compound with a formula:

said fourth intermediate, thereby forming a compound of

Genus I.

35. (Currently amended) A method of preparing a compound or salt thereof having the formula of Genus II as defined in Claim 1 comprising:

Genus II;

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl,

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hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉-cycloalkyl, substituted C₃-C₉-cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said method comprises steps:

reacting a compound with a having formula:

NH-NH₂ with a compound

with a having formula:

, thereby forming a compound-with a formula:

first intermediate;

reacting the compound with a formula:

| Br | NO2 | NO

intermediate with cyanide ion, thereby forming a compound with asecond intermediate

having formula:

performing hydrolysis on the compound with a formula:

said second intermediate, thereby forming a compound with

athird intermediate having formula:

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HOOC N N NO2

reacting the compound with a formula:

said third

intermediate with an alkylamine, thereby forming a compound with a fourth intermediate

reducing the compound with a formula:

R₁-NH NO₂ NO₂ Said

fourth intermediate; thereby forming a compound with afifth intermediate having

reacting an acyl chloride with the compound with a formula:

said fifth intermediate; thereby forming a compound of

Genus II.

36. (Currently amended) A method of preparing a compound or salt thereof having the formula of Genus III as defined in Claim 1 comprising:

$$R_1$$
 R_2
 R_1
 R_2
 R_3
 R_4
 R_5
 R_5
 R_6

Genus III;

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

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wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ eycloalkyl, substituted C₃-C₉ eycloalkyl, polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₂, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉-cycloalkyl, substituted C₃-C₉-cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said method comprises steps:

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reacting a compound with a having formula:

NH-NH₂ with a compound

with ahaving formula:

in the presence of a Lewis acid, thereby

Br N N N

forming a compound with a first intermediate having formula:

Br II NO2

reacting the compound with a formula:

said first

intermediate with a cyanide ion, thereby forming a compound with a second intermediate

having formula:

performing hyd

hydrolysis on

the compound with a formula:

NC II NO 2

said second intermediate, thereby forming a compound with athird

intermediate having formula:

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HOOC

reacting the compound with a formula:

said third

intermediate with an alkylamine, thereby forming a compound with a fourth intermediate

having formula:

reducing the compound with a formula:

said fourth

intermediate; thereby forming a compound with afifth intermediate having formula:

; and

the compound with a formula: reacting acyl chloride with an

$$\begin{array}{c|c} & & & \\ & & & \\ \hline \\ R_1 - N & & \\ \hline \\ O & & \\ \end{array}$$

said fifth intermediate; thereby forming a compound of Genus

III.

(Currently amended) A method of preparing a compound or salt thereof having 37. the formula of Genus IV as defined in Claim 1 comprising:

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wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONH₂ and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ eyeloalkyl, substituted C₃-C₉ eyeloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR', COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said

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heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said method comprises steps:

reacting a compound with a having formula:

compound with a having formula:

, thereby forming a compound with

a-first intermediate having formula:

performing a reductive amination to the compound—with a formula:

said first intermediate, thereby forming a compound with a second

intermediate having formula:

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reacting an acyl chloride with the compound with a formula:

said second intermediate, thereby forming a compound with

athird intermediate having formula:

reducing the compound with a formula:

said third

intermediate, thereby forming a compound with a fourth intermediate having formula:

; and

reacting an acyl chloride with the compound with a formula:

said fourth intermediate, thereby forming a compound of

Genus IV.

38. (Withdrawn) A method of preparing a compound or salt thereof having the formula:

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$$R_1$$
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_5
 R_7
 R_7

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C_3 - C_9 cycloalkyl, substituted C_3 - C_9 cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said

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heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said method comprises steps:

NC-II

reacting a compound with a formula:

NH-NH₂ with a compound with

formula:

in the presence of a Lewis acid, thereby forming a

NC NC N

compound with a formula:

NC III

performing hydrolysis on the compound with a formula:

HOOC I N

thereby forming a compound with a formula:

HOOC II N

reacting the compound with a formula:

with an

R₁-N M N M

alkylamine, thereby forming a compound with a formula:

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R₁-N M N H

reacting the compound with a formula:

with a cyanide

R₁-N N N N N

ion, thereby forming a compound with a formula:

performing hydrolysis on the compound with a formula:

R₁-N N N N

thereby forming a compound with a

formula:

reacting the compound with a formula: alkylamine, thereby forming a compound of Genus V.

with an

39. (Withdrawn) A method of preparing a compound or salt thereof having the formula:

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$$R_1$$
 HN
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_5
 R_6
 R_7
 R_8
 R_8
 R_9
 R_9

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said

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heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said method comprises steps:

reacting a compound with a formula: NH-NH₂ with a compo

a formula:

in the presence of a Lewis acid, thereby forming a compound

$$O_2N$$

with a formula:

$$O_2N$$

reacting the compound with a formula:

with a cyanide ion,

$$O_2N\frac{1}{V}$$
 N
 N

thereby forming a compound with a formula:

$$O_2N$$

performing hydrolysis on the compound with a formula:

$$O_2N$$

thereby forming a compound with a formula:

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 O_2N

reacting the compound with a formula:

with an

$$O_2N \frac{1}{V}$$
 NHR_2
 NHR_2

alkylamine, thereby forming a compound with a formula:

$$O_2N$$

reducing the compound with a formula:

acyl

chloride

with

; thereby

$$H_2N_{\frac{1}{v}}$$
 $H_2N_{\frac{1}{v}}$ H_2N

the

forming a compound with a formula:

compound with a formula:

$$\begin{array}{c|c} & & & \\ & & & \\ & & & \\ H_2N & & \\ &$$

reacting

; thereby forming a compound of Genus VI.

40. (Withdrawn) A method of preparing a compound or salt thereof having the formula:

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wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

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wherein said method comprises steps:

reacting a compound with a formula:

NH-NH₂ with a compound with

a formula:

in the presence of a Lewis acid, thereby forming a compound

reacting the compound with a formula:

with a formula:

with a cyanide

ion, thereby forming a compound with a formula:

hydrolysis compound with formula: the a performing on

with forming compound thereby a a

СООН formula:

reacting the compound with a formula:

COOH

with an with formula: thereby forming compound alkylamine, a a

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reducing the compound with a formula: $O_2N \xrightarrow{V} N \xrightarrow{N} NHR_2$; thereby

$$H_2N = \begin{pmatrix} O \\ V \\ V \\ M \end{pmatrix}$$
 $H_2N = \begin{pmatrix} O \\ N \\ M \end{pmatrix}$; and

forming a compound with a formula:

reacting an acyl chloride with the compound with a formula:

$$H_2N$$
 $\frac{1}{V}$ $\frac{1}{V}$

41. (Withdrawn) A method of preparing a compound or salt thereof having the formula:

$$R_1$$
— N
 R_2
 R_1
 R_2
 R_2
 R_3
 R_4
 R_4
 R_4
 R_5
 R_5

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3

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heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said method comprises steps:

NC - NH-NH₂ with a compound with a

reacting a compound with a formula:

Br

formula:

in the presence of a Lewis acid, thereby forming a compound

with a formula:

performing hydrolysis on the compound with a formula:

thereby forming a compound with a

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reacting the compound with a formula:

with an

alkylamine, thereby forming a compound with a formula:

reacting the compound with a formula:

cyanide ion, thereby forming a compound with a formula:

formula: performing hydrolysis the compound with on

forming compound with thereby a a

reacting the compound with a formula:

with an alkylamine,

thereby forming a compound of Genus VIII.

- (New) A pharmaceutical composition for treating or preventing an allergic 42. reaction associated with increased IgE levels, inhibiting cellular proliferation, and/or inhibiting cytokines or leukocytes in a mammal comprising one or more of compound or salt thereof of Claim 1.
- 43. (New) The pharmaceutical composition of Claim 42, further comprising at least one additional ingredient which is active in reducing at least one symptom associated with said allergic reaction, cell proliferation and/or inhibition of cytokines or leukocytes.